

## Final Review 1 '0910

- 1) Find the minimum, maximum, and range of the data set  
(19, 15, 9, 25, 9, 12, 9, 9, 6, 14, 3, 11, 7, 23, 23, 16)
- 2) Find the 5 number summary of the above data
- 3) Draw a box plot for the data in problem #1.
- 4) Draw a histogram for the data in problem #1.
- 5) Find the interquartile range for a data set having the five number summary: (9.2, 15.5, 25.5, 32.7, 39.5)
- 6) 8 students were polled regarding their study habits. They reported that they spent the following average times (in minutes) doing homework each night. 18, 34, 21, 35, 25, 29, 18, 30. Find the 5 number summary (min, Q1, median, Q3, max) for his data.
- 7) What percent of the data in problem #6 is within one standard deviation.
- 8) The number of customers at Bath and Body Works was recorded for seven days. The data was: 51, 86, 95, 62, 110, 73, 62. Using the given data, find the mean, median, and mode and the standard deviation for this sample.
- 9) Which data set is more spread out from the mean the one in problem #6 or problem #8? Explain.